

*C.C. with 2 copies
to Bureau
Wagner
Maddox
5-21-76*

E. VASUKI
DIRECTOR



PUB WKS-ADM

MAY 19 10 05 AM '76

STATE OF DELAWARE
DIVISION OF ENVIRONMENTAL CONTROL
EDWARD TATNALL BUILDING
DOVER, DELAWARE 19901

May 14, 1976

Mr. Albert Madora
New Castle County Department
of Public Works
2701 Capital Trail
New Castle, Delaware 19720

Dear Al:

On Friday, April 23, 1976, a representative of the Department of Natural Resources and Environmental Control collected a water sample from a well on the east side of Route 13, several hundred feet north of Red Lion Creek. This well is owned by Miss Sara Wagner, who had called Middletown Well Drillers to repair her well pump. Middletown noticed that the well water was badly contaminated and called the Department. The water has a greenish-brown color and an organic sheen; it has a very strong organic odor. Analyses of two samples of this water are attached. The concentrations of COD, TOC, iron, manganese and lead are much higher than those in native ground water. (The high lead may, however, be contributed from a lead packer which seals the screen in the well casing.)

This well is only a few hundred feet east of the old New Castle County Tybout's Corner Landfill. The locations of the well and landfill are shown on the accompanying map. This landfill was constructed between 1969 and 1972. Based on interpretation of the data collected by the University's Water Resources Center, New Castle County's consultant, Richardson Associates, and personnel of this Department, the contamination in the Wagner well appears to have leached from the landfill.

The well is the sole source of water to two residences. As the water is neither fit for drinking, cooking or washing, the residents are under extreme hardship. For the last six months they have hauled water home in bottles from the Artesian Water Company pumping station at Bear. All their water needs must be met this way.

The County should move immediately to provide the residents with an interim source of potable water. This can be accomplished with a water tank truck (similar to the one used for Mary Reni's well).

DEPARTMENT OF
NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
JOHN C. BRYSON
SECRETARY

33 00038423
For the State
DELAWARE

Mr. Albert Madora
May 14, 1976
Page 2

The County should also move at once to provide a permanent source of potable water to the properties. Existing public water transmission facilities are at least 4000 feet away from the contaminated well.

This problem points up the necessity for further evaluation of the water pollution potential of the Tybouts Corner Landfill. The Department has recently sampled 10 other domestic wells in the area around the landfill. Tentative results are that none of the wells were contaminated by landfill leachate at the time of sampling. However, several residents south of the landfill complained of occasional taste and odor problems that could result from slugs of leachate travelling through the ground.

If you have any questions please call me.

Sincerely,

J. C. Vasuki
N. C. Vasuki
Director

NCV?MAA:jas

Enclosure

cc: The Honorable John C. Bryson
The Honorable Donald Isaacs
The Honorable Gerard A. Cain
Mr. Jerry Adkins
Mr. John T. Egan
Mr. Michael A. Apgar
Mr. Ronald N. Stouffer

028424

000560

33

DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
ANALYTICAL DATA FROM THE WAGNER-ZEITLER WELL

(on the east side of route 13 across from Tybouts Corner landfill)

The results are in mg/l except specific conductance which is in umhos/cm.

Date Sampled	COD	TOC	Spec. Cond.	pH	Alka. (as CaCO ₃)	Hard.	Cl	Org.-N	NH ₄ -N	NO ₂ -N	NO ₃ -N	Fe	Mn	Pb
4-23-76	190	110	560	7.2	288	290	36	2.8	1.45	.02	.02	190	12.4	.35
4-28-76	270	60.5	460				22		.89	.038	.02	117		

028425

000561

7.5 MINUTE SERIES (TOPOGRAPHY)

7.5 MINUTE SERIES (TOPOGRAPHY)

SW 1/4 WILMINGTON 15' QUADRANGLE
WILMINGTON 8 1/2 MI.
STATE ROAD 2 MI. 440 000 FEET 1 42 7

